

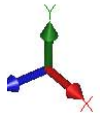
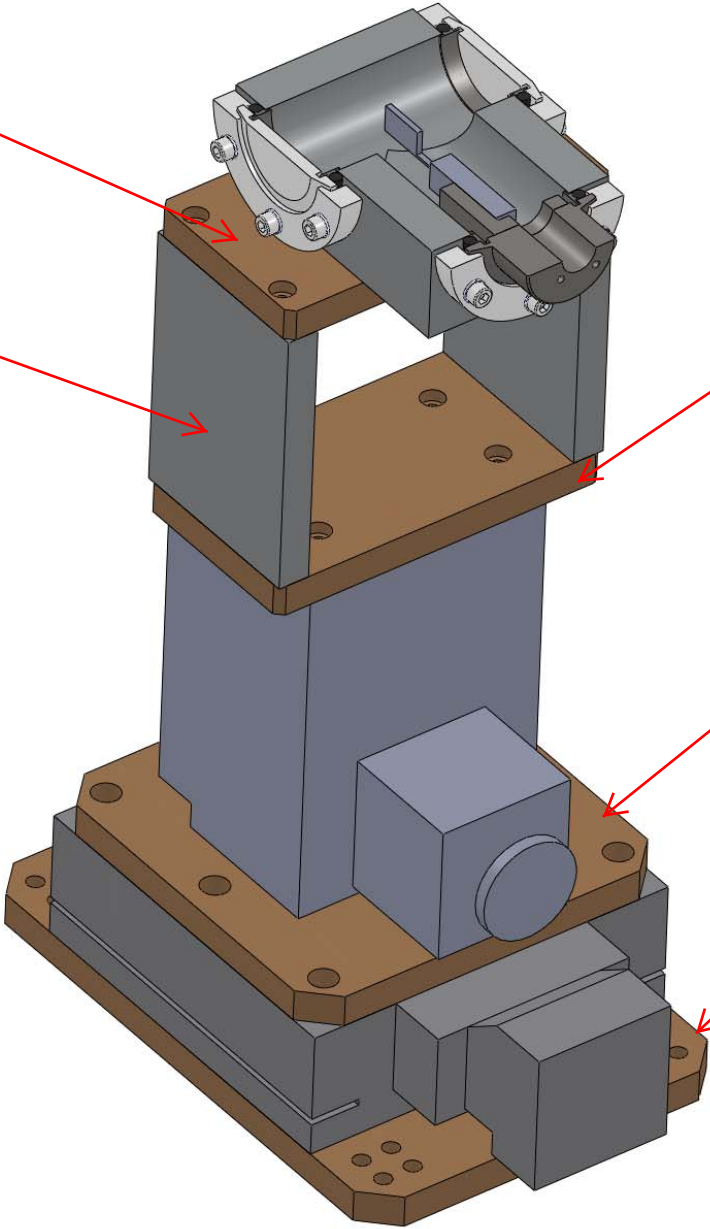
Plate 4

Plate 5

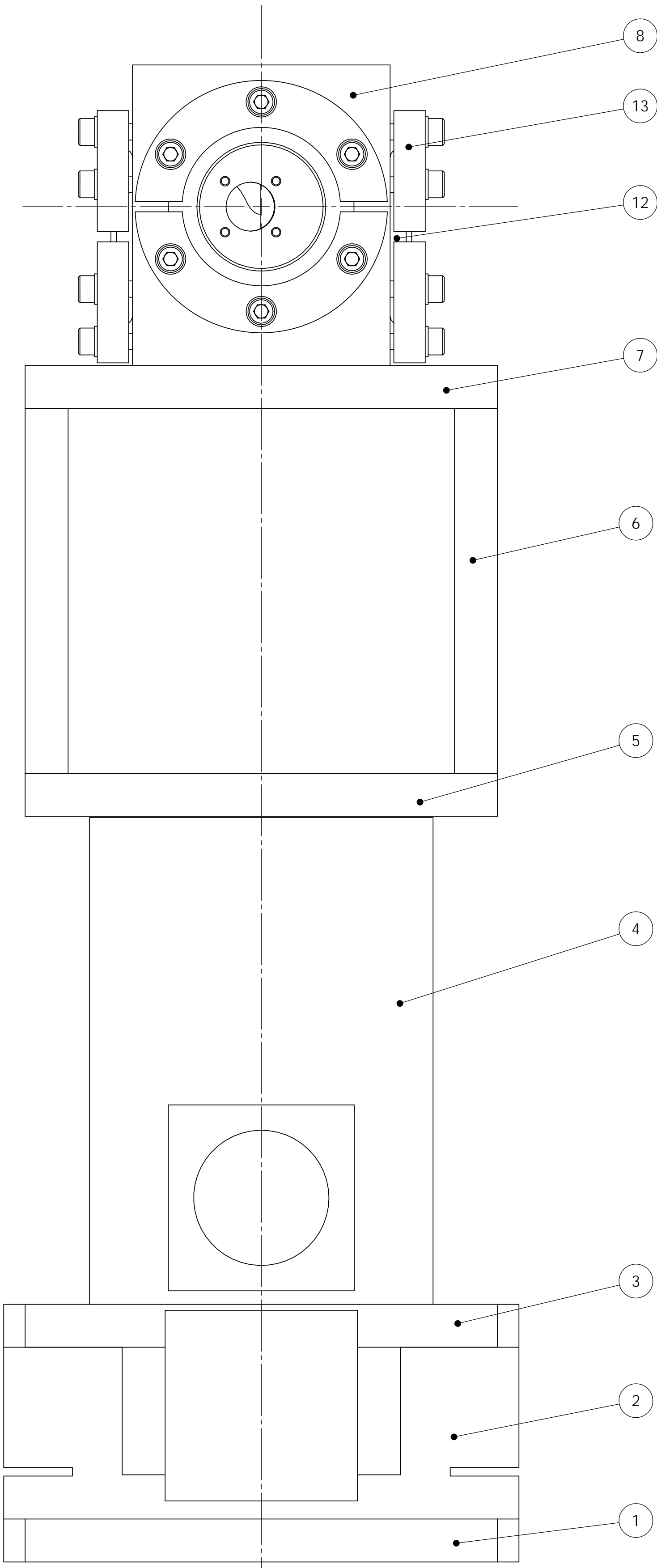
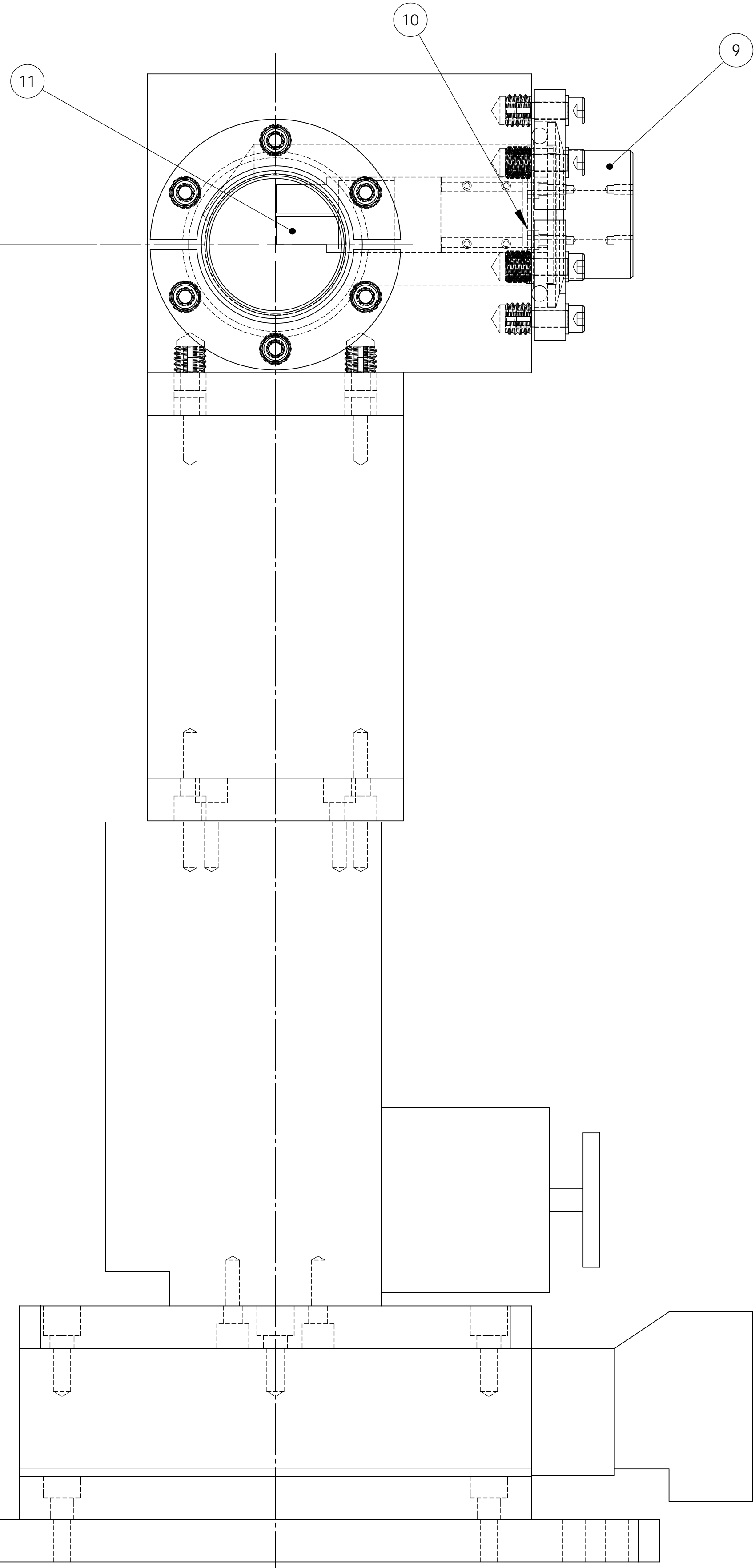
Plate 3

Plate 2

Plate 1



← BEAM DIRECTION



([392]  
15.43)

1 SOURCE OR EQUIVALENT  
MDC VACUUM MANUFACTURING CORP.  
23842 CABOT BOULEVARD  
HAYWARD, CA 94545-1661

▽▽

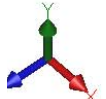
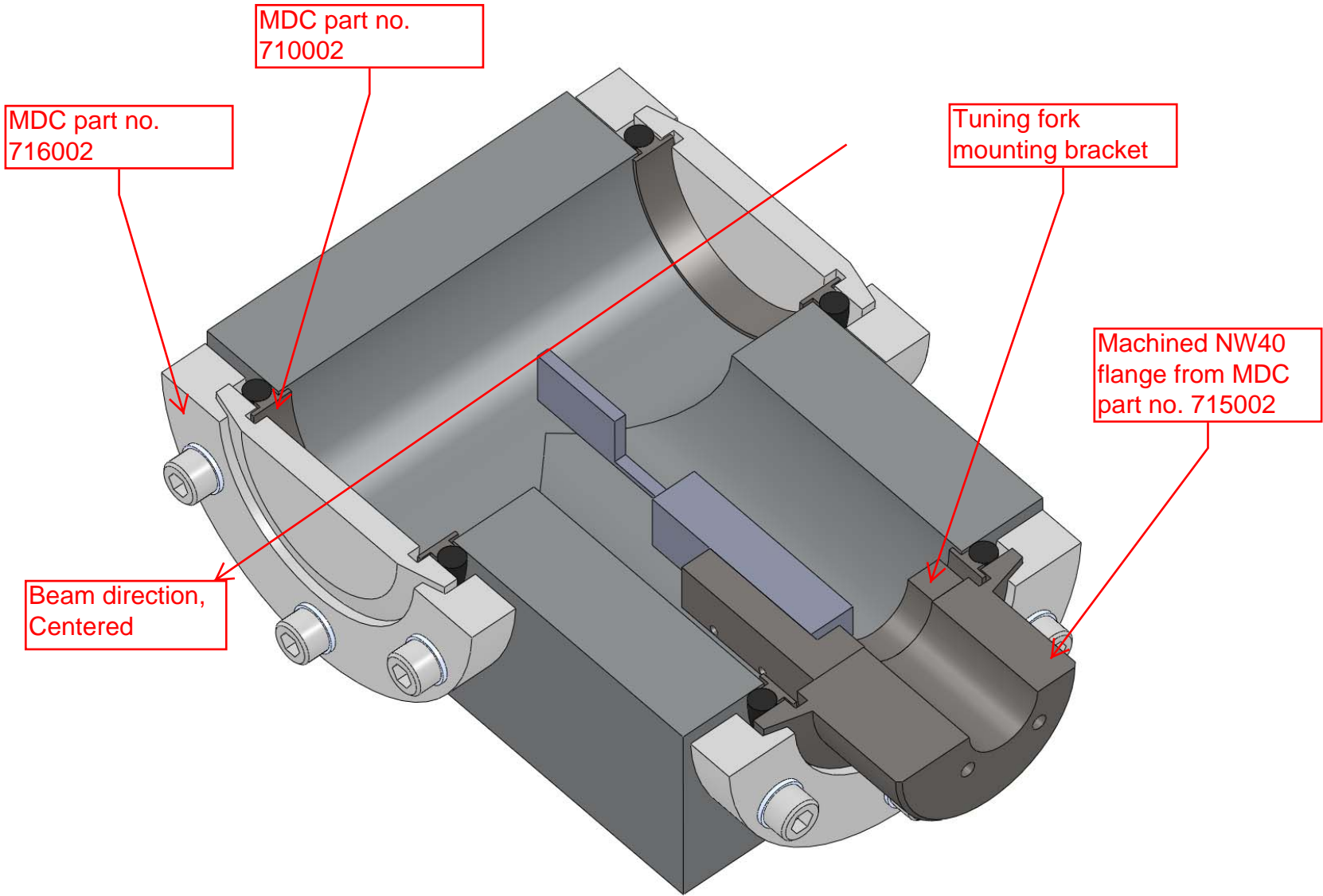
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
13	716002	Blukhead Clamp	ALUMINUM	3
12	710002	Centering Ring	SST/Al/Elastomer	3
11	CH-10	Reference Only		1
10	Fork_Mount		Al 6061-T651	1
9	Machined_NW40_715002	Unbored Stub	SST 304/304L	1
8	Housing Assembly		Al & SST Inserts	1
7	Mounting Plate 4		Aluminum	1
6	Mounting Plate 5		Aluminum	2
5	Mounting Plate 3		Aluminum	1
4	ADC_lift_stage	Reference Only		1
3	Mounting Plate 2		Aluminum	1
2	106004	Reference Only		1
1	Mounting Plate 1		Aluminum	1

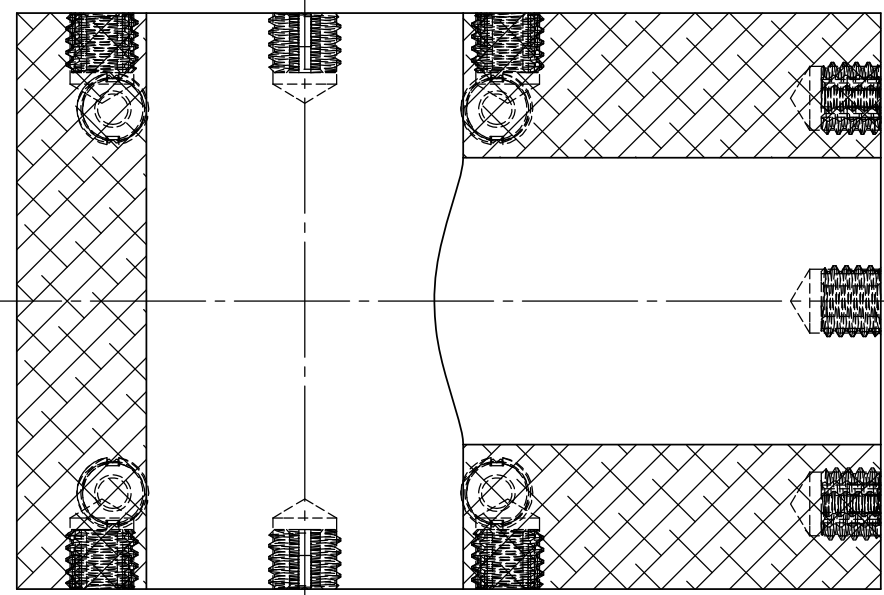
PROPRIETARY AND CONFIDENTIAL  
THE INFORMATION CONTAINED IN THIS  
DRAWING IS THE SOLE PROPERTY OF  
MDC VACUUM MANUFACTURING CORP. ANY  
REPRODUCTION IN PART OR AS A WHOLE  
WITHOUT THE WRITTEN PERMISSION OF  
MDC VACUUM MANUFACTURING CORP. IS  
PROHIBITED.

DIMENSIONS ARE IN INCHES		NAME	DATE
TOLERANCES:		DRAWN	
X.X ±0.100		CHECKED	
X.XX ±0.030		ENG APPR	
X.XXX ±0.010		MFG APPR	
ANGULAR: ±0.3°		C.A.	
INTERPRET GEOMETRIC TOLERANCING PER:		COMMENTS	
MATERIAL:			
NEXT ASSY	USED ON	FINISH	
APPLICATION			

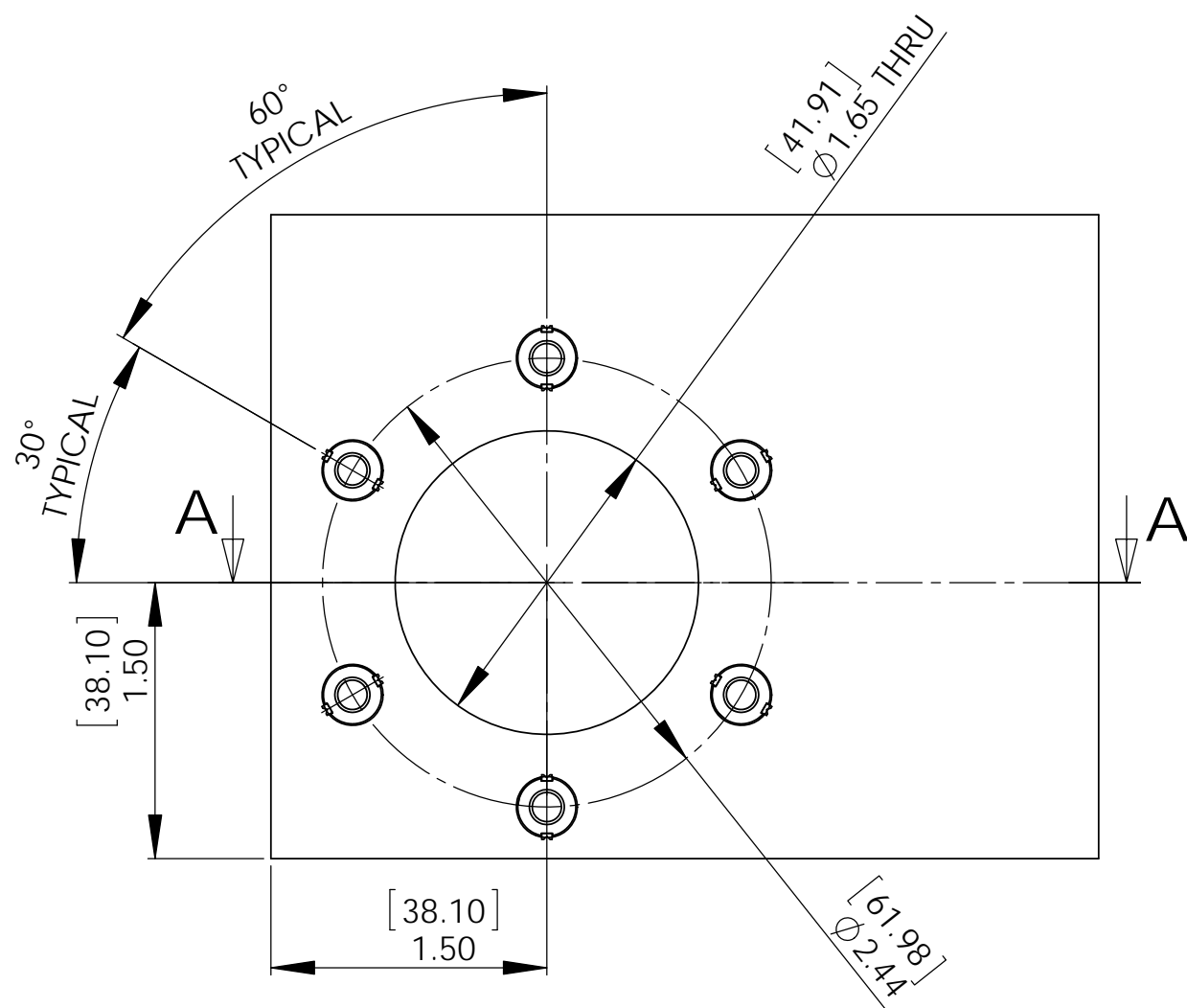
SIZE DWG. NO. REV  
**D** Tuning Fork Assembly  
SCALE: 1:2 WEIGHT: SHEET 1 OF 1

Dining Fork Assembly

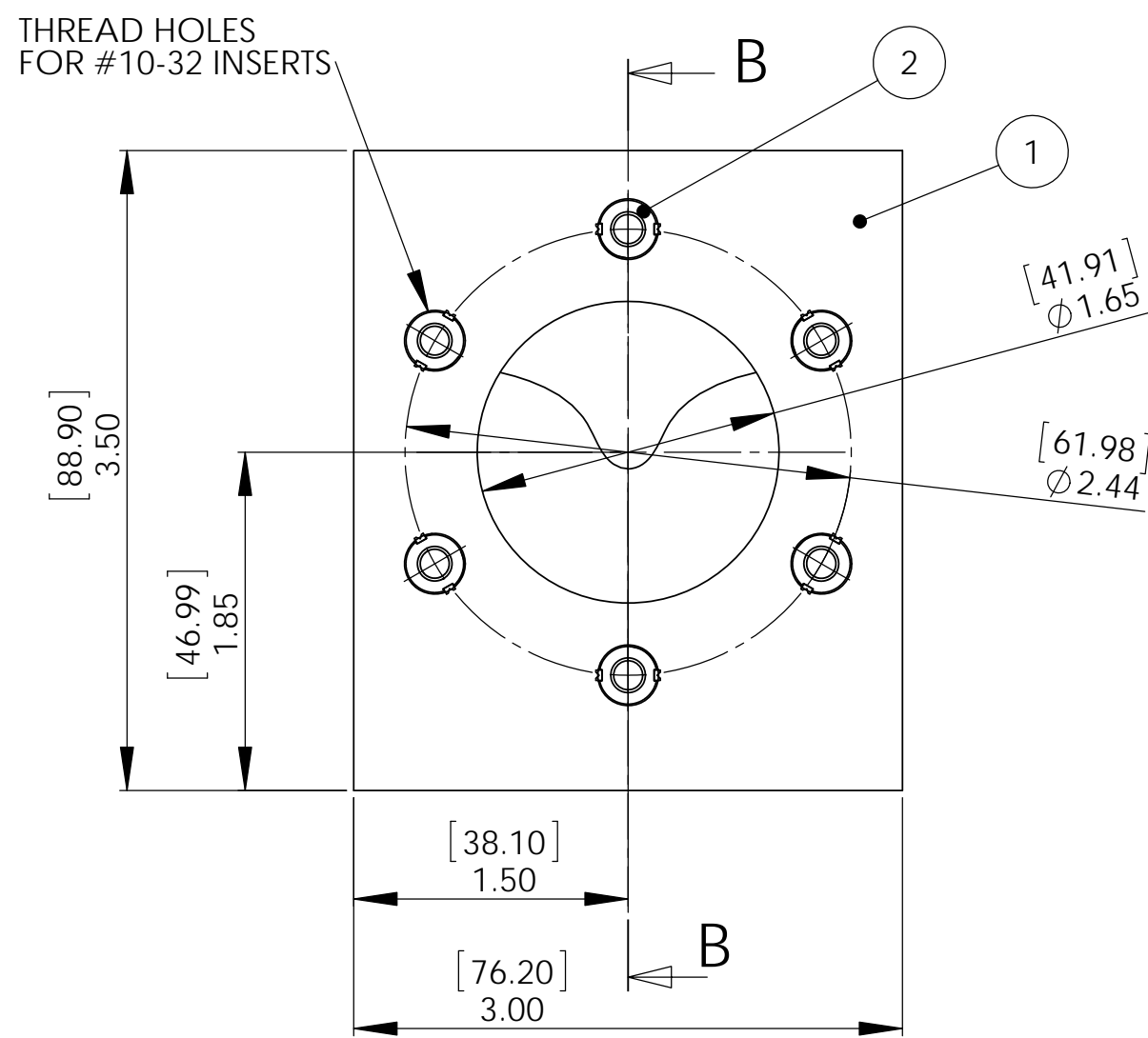




SECTION A-A

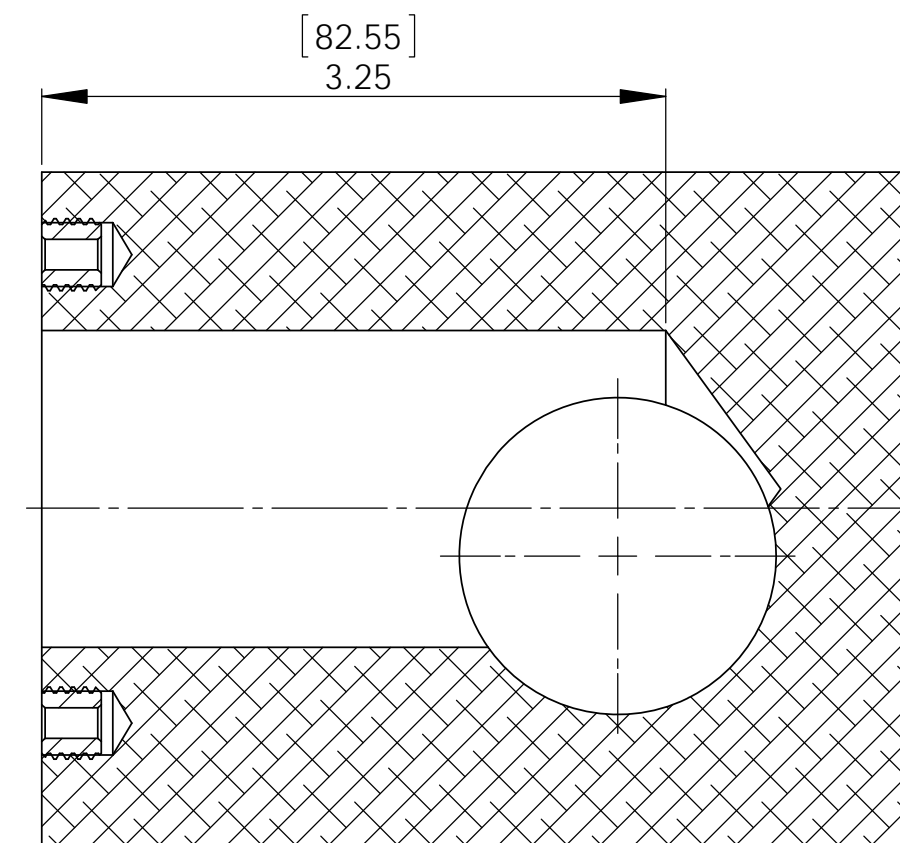


THREAD HOLES FOR #10-32 INSERTS



NOTE

- THIS COMPONENT IS PART OF HIGH VACUUM ASSEMBLY. FOR COMPLETE SPECIFICATIONS ON MACHINING, CLEANING, VACUUM REQUIREMENTS, TESTINGS, AND DELIVERY PREPARATION, SEE ANL DOCUMENT #410201-00095.

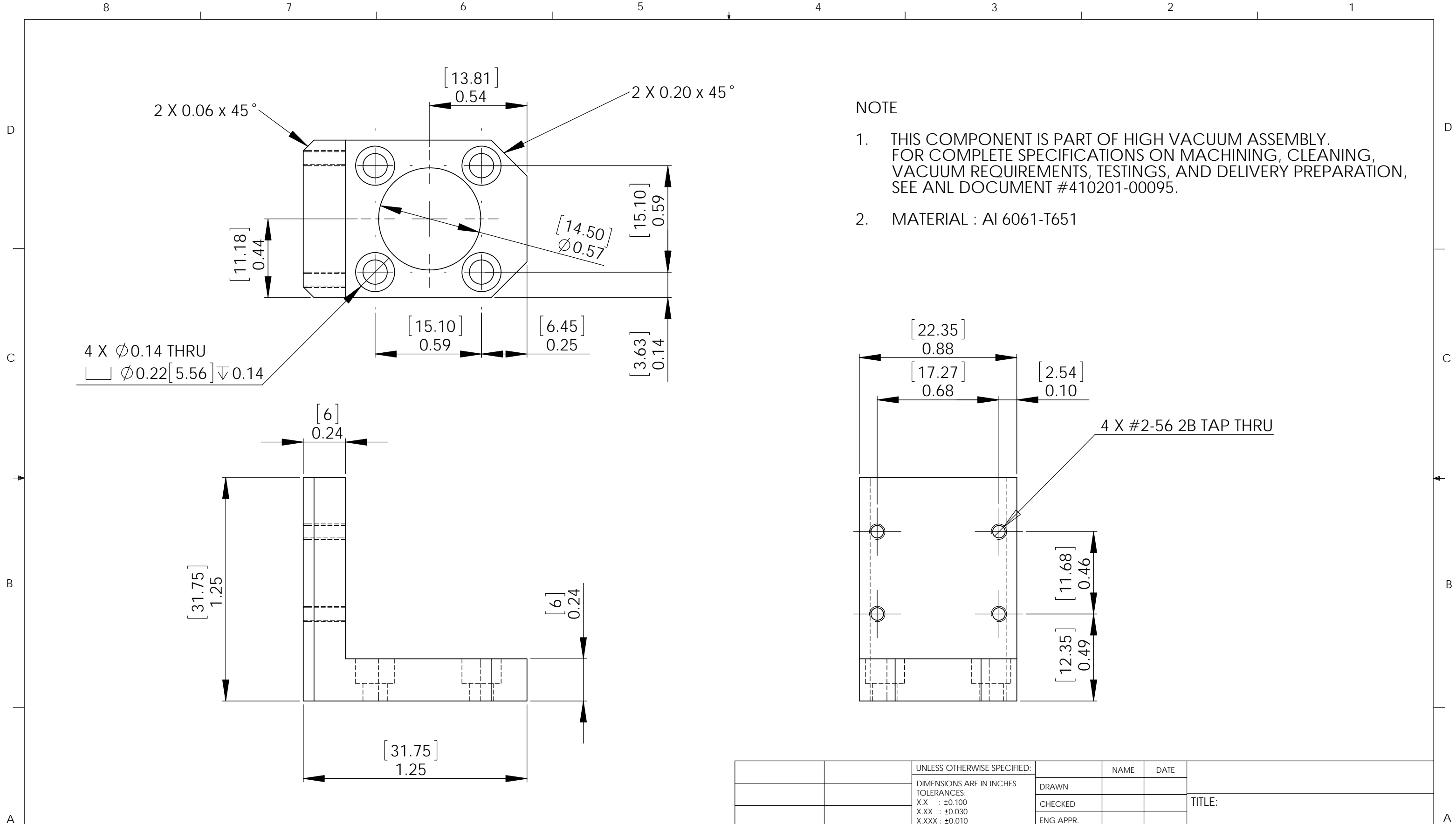


SECTION B-B

1 SOURCE OR EQUIVALENT  
CARR-LANE MANUFACTURING CO.  
4200 CARR LANE CT. PO BOX 191970  
ST. LOUIS, MISSOURI 63119-7970

PROPRIETARY AND CONFIDENTIAL  
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2	CL-1032-SKS	#10-32 KEY INSERT	STAINLESS STEEL	22
1	Housing	HOUSING ASSEMBLY	AI 6063 OR AL 6061	1
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIALS	QTY.
UNLESS OTHERWISE SPECIFIED:		DRAWN		
DIMENSIONS ARE IN INCHES		CHECKED		
TOLERANCES:		ENG APPR.		
X.X : ± 0.100		MFG APPR.		
X.XX : ± 0.030		Q.A.		
X.XXX : ± 0.010		COMMENTS:		
ANGULAR: ± 0.3 °		TITLE:		
INTERPRET GEOMETRIC TOLERANCING PER:		SIZE		
MATERIAL		DWG. NO.		
FINISH		REV		
NEXT ASSY	USED ON	C Housing Assembly		
APPLICATION		SCALE: 1:1		
DO NOT SCALE DRAWING		WEIGHT:		
		SHEET 1 OF 1		

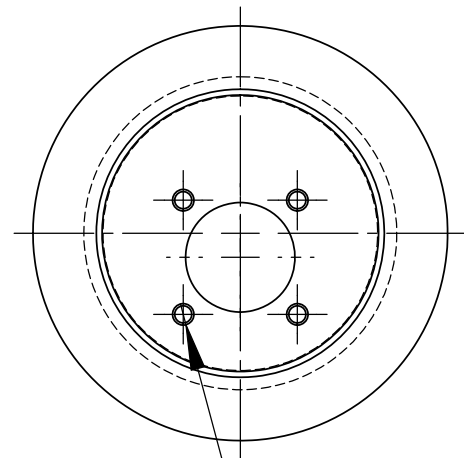


NOTE

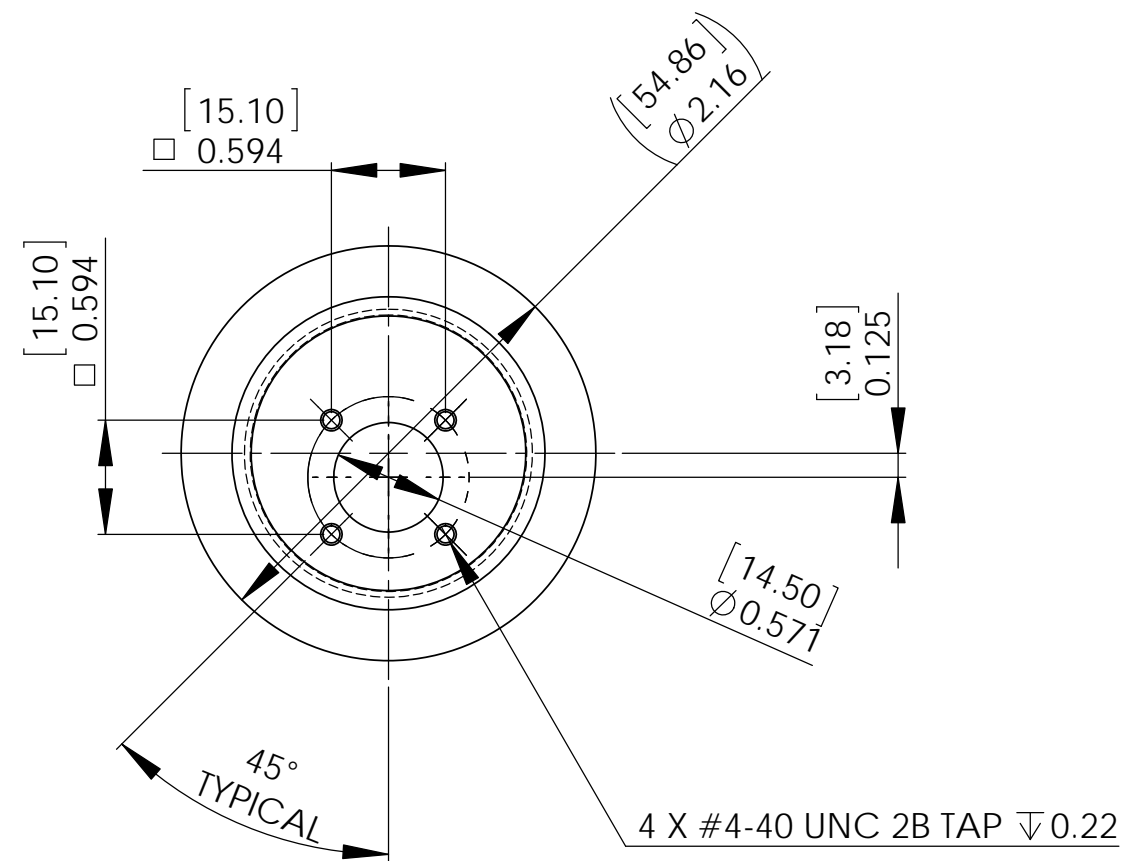
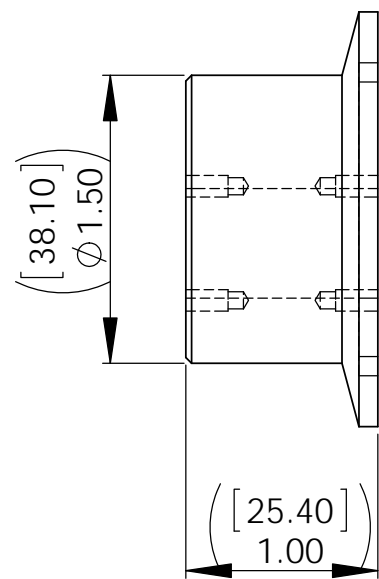
1. THIS COMPONENT IS PART OF HIGH VACUUM ASSEMBLY. FOR COMPLETE SPECIFICATIONS ON MACHINING, CLEANING, VACUUM REQUIREMENTS, TESTINGS, AND DELIVERY PREPARATION, SEE ANL DOCUMENT #410201-00095.
2. MATERIAL : Al 6061-T651

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES		DRAWN	
		TOLERANCES:		CHECKED	
		X.X : ±0.100		ENG APPR.	
		X.XX : ±0.030		MFG APPR.	
		X.XXX : ±0.010		Q.A.	
		ANGULAR: ± 0.3°		COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH		SIZE	DWG. NO.
APPLICATION		DO NOT SCALE DRAWING		<b>B</b>	Fork_Mount
				SCALE: 2:1	WEIGHT:
				REV	
				SHEET 1 OF 1	



4 X #4-40 UNC 2B \u221a0.22



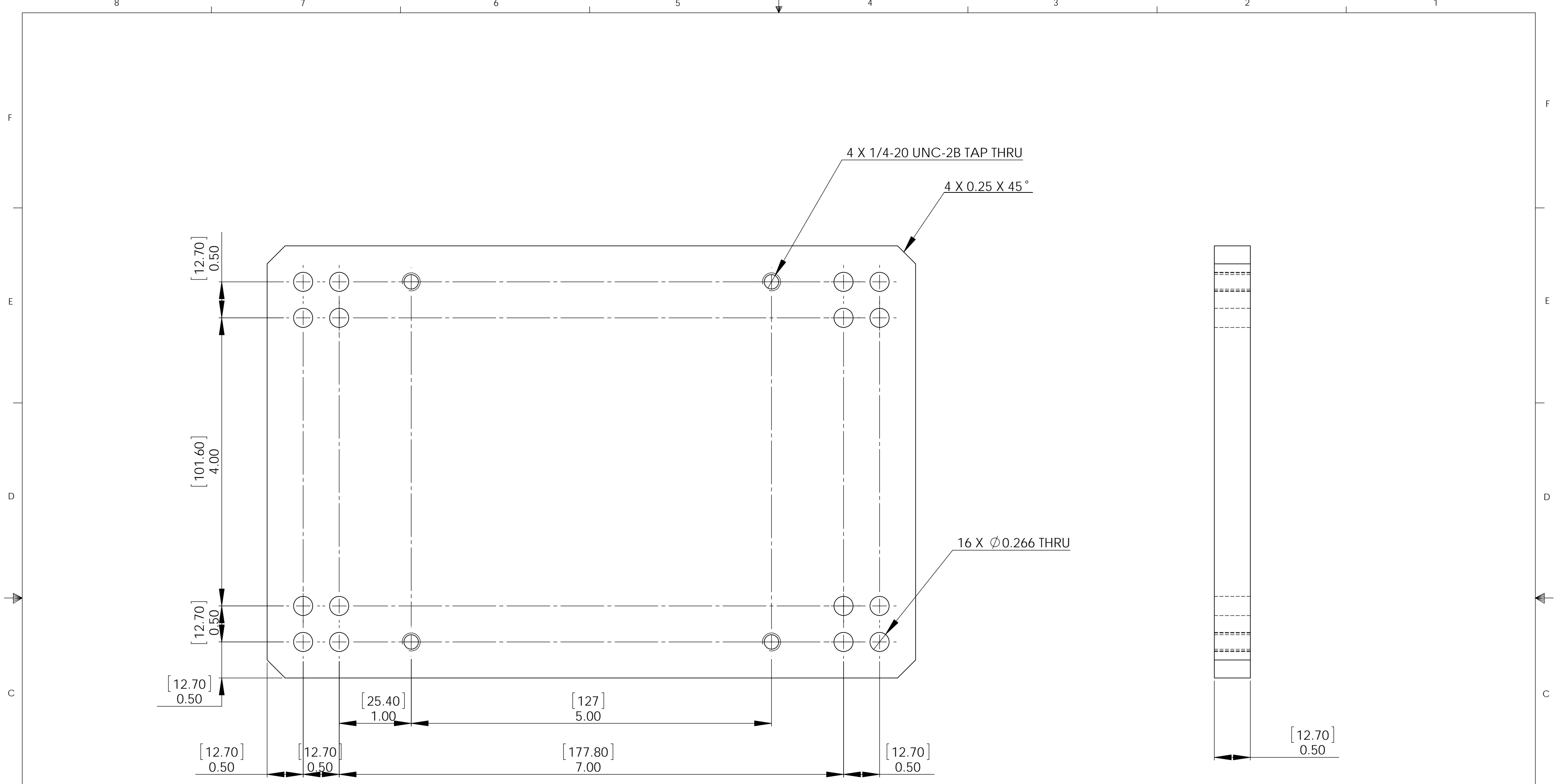
4 X #4-40 UNC 2B TAP \u221a0.22

NOTE

1. THIS COMPONENT IS PART OF HIGH VACUUM ASSEMBLY. FOR COMPLETE SPECIFICATIONS ON MACHINING, CLEANING, VACUUM REQUIREMENTS, TESTINGS, AND DELIVERY PREPARATION, SEE ANL DOCUMENT #410201-00095.
2. SOURCE OR EQUIVALENT PART # : 715002 FROM MDC VACUUM PRODUCTS CORP. MATERIAL: STAINLESS STEEL 304/304L

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <b>Unbored Stub</b>
		DIMENSIONS ARE IN INCHES	DRAWN			
		TOLERANCES:	CHECKED			
		X.X : \u00b10.100	ENG APPR.			
		X.XX : \u00b10.030	MFG APPR.			
		X.XXX : \u00b10.010	Q.A.			SIZE DWG. NO. REV
		ANGULAR: \u00b1 0.3\u00b0	COMMENTS:			<b>B</b> Machined_NW40_715002
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:1 WEIGHT: SHEET 1 OF 1
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				

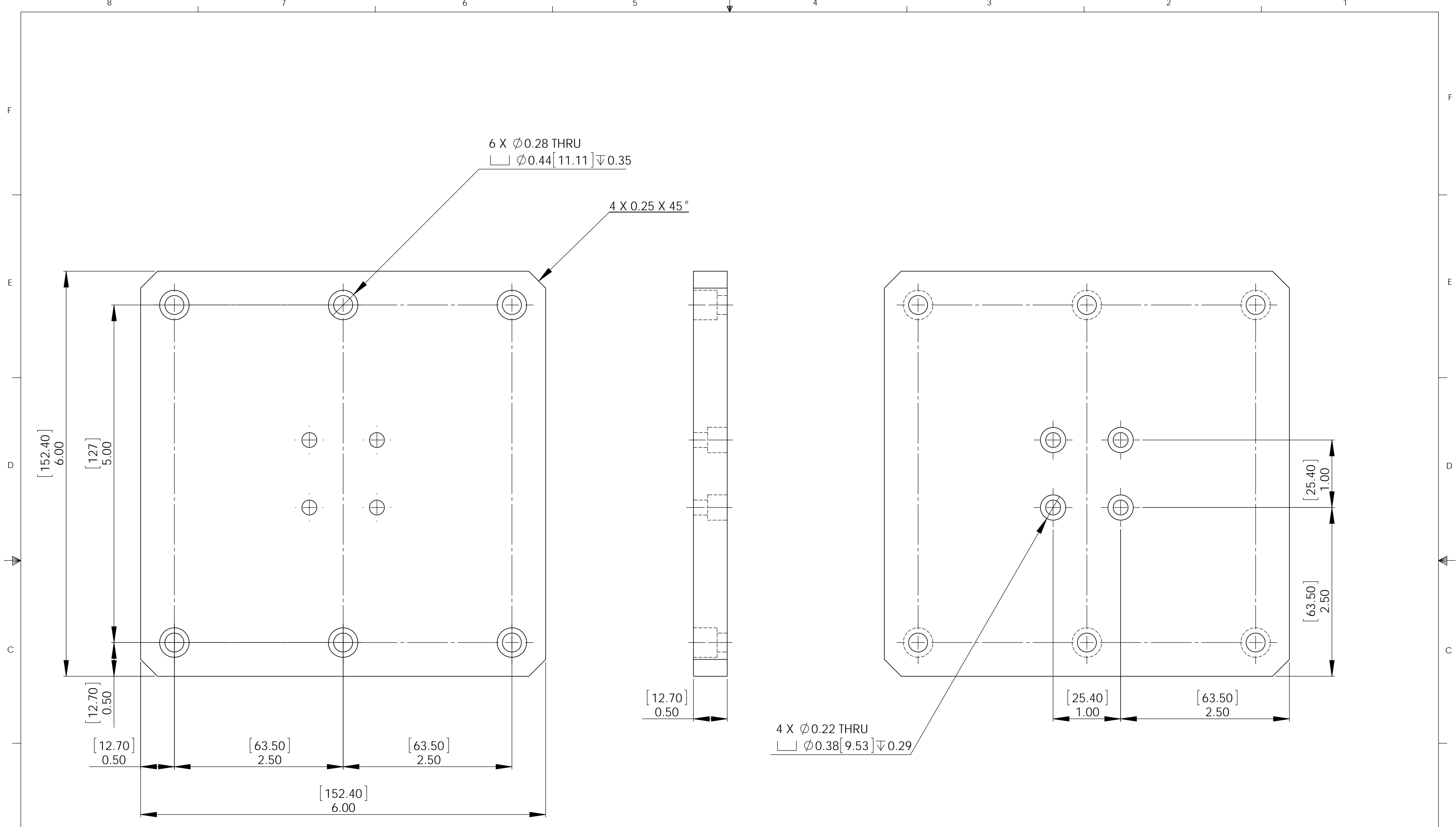


NOTE

1. MATERIAL: AI JIG PLATE or AI 6061-T6.
2. PART MUST BE THOROUGHLY CLEANED BEFORE DELIVERY WITHOUT ANY DEBRIS, OILS, AND GREASE .

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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE		
		DIMENSIONS ARE IN INCHES	DRAWN		TITLE:	
		TOLERANCES:	CHECKED			
		X.X : ± 0.100	ENG APPR.			
		X.XX : ± 0.030	MFG APPR.			
		X.XXX : ± 0.010	Q.A.		SIZE   DWG. NO.   REV <b>C</b>   Mounting Plate 1   SCALE: 1:2   WEIGHT:   SHEET 1 OF 1	
		ANGULAR: ± 0.3°	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				
		MATERIAL				
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				



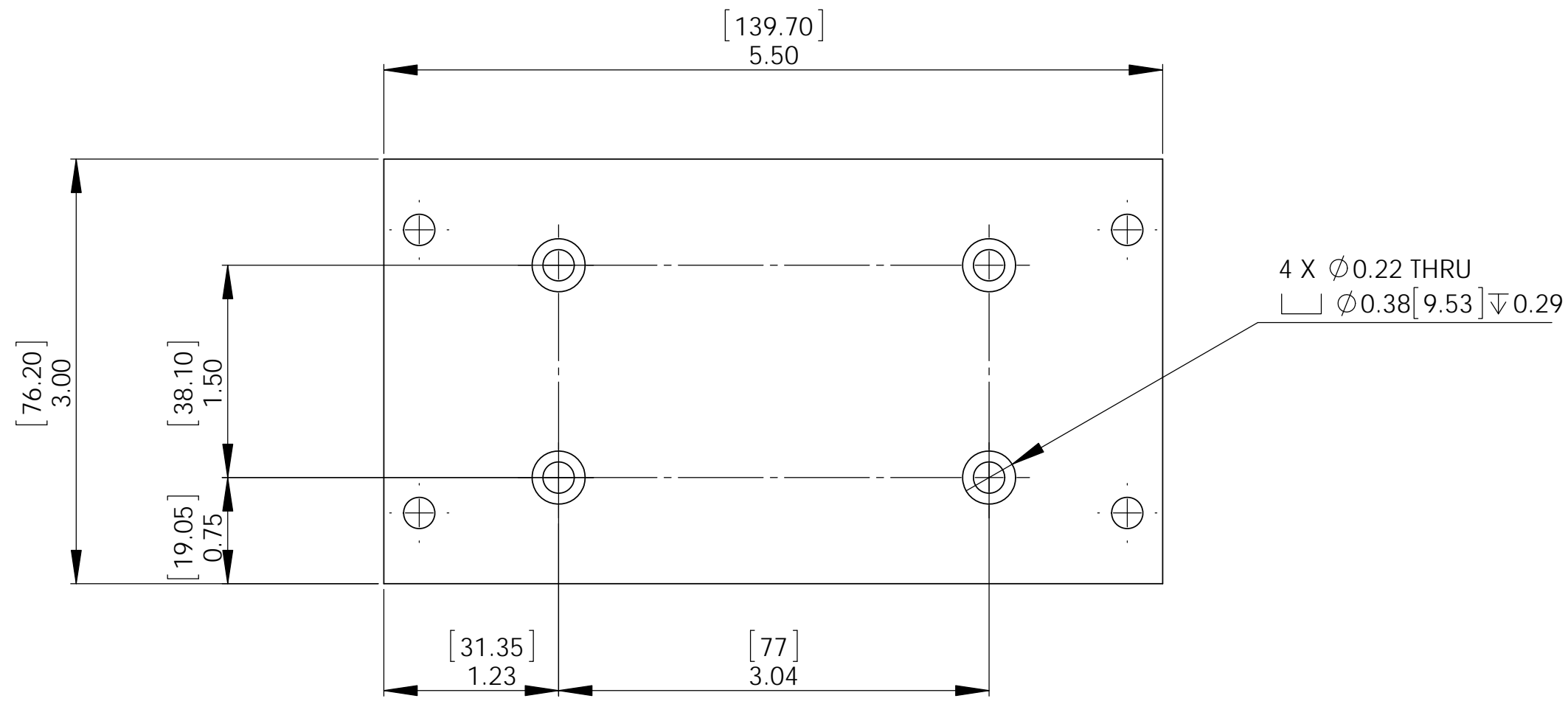
NOTE

1. MATERIAL: Al JIG PLATE or Al 6061-T6
2. PART MUST BE THOROUGHLY CLEANED BEFORE DELIVERY WITHOUT ANY DEBRIS, OILS, AND GREASE .

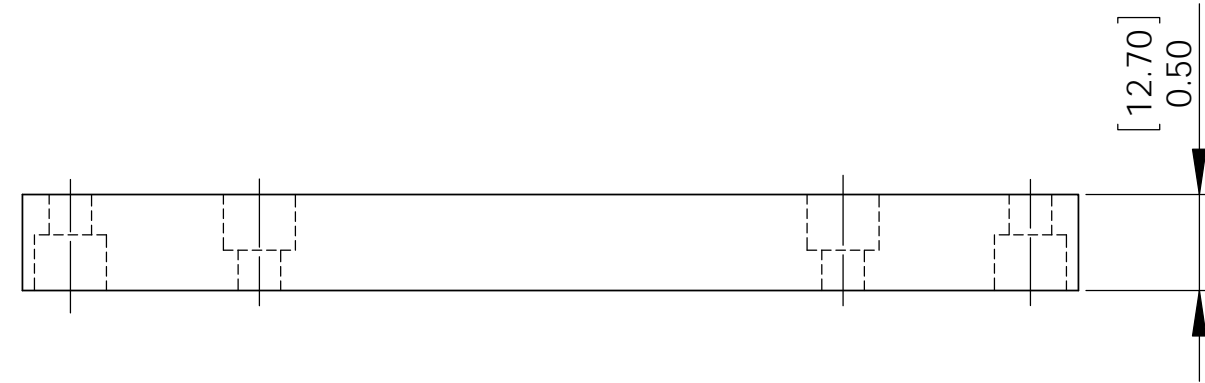
PROPRIETARY AND CONFIDENTIAL  
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES		DRAWN	
		TOLERANCES:		CHECKED	
		X.X : ± 0.100		ENG APPR.	
		X.XX : ± 0.030		MFG APPR.	
		X.XXX : ± 0.010		Q.A.	
		ANGULAR: ± 0.3°		COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH		TITLE:	
APPLICATION		DO NOT SCALE DRAWING		SIZE DWG. NO. REV	
				C Mounting Plate 2	
				SCALE: 1:1 WEIGHT: SHEET 1 OF 1	



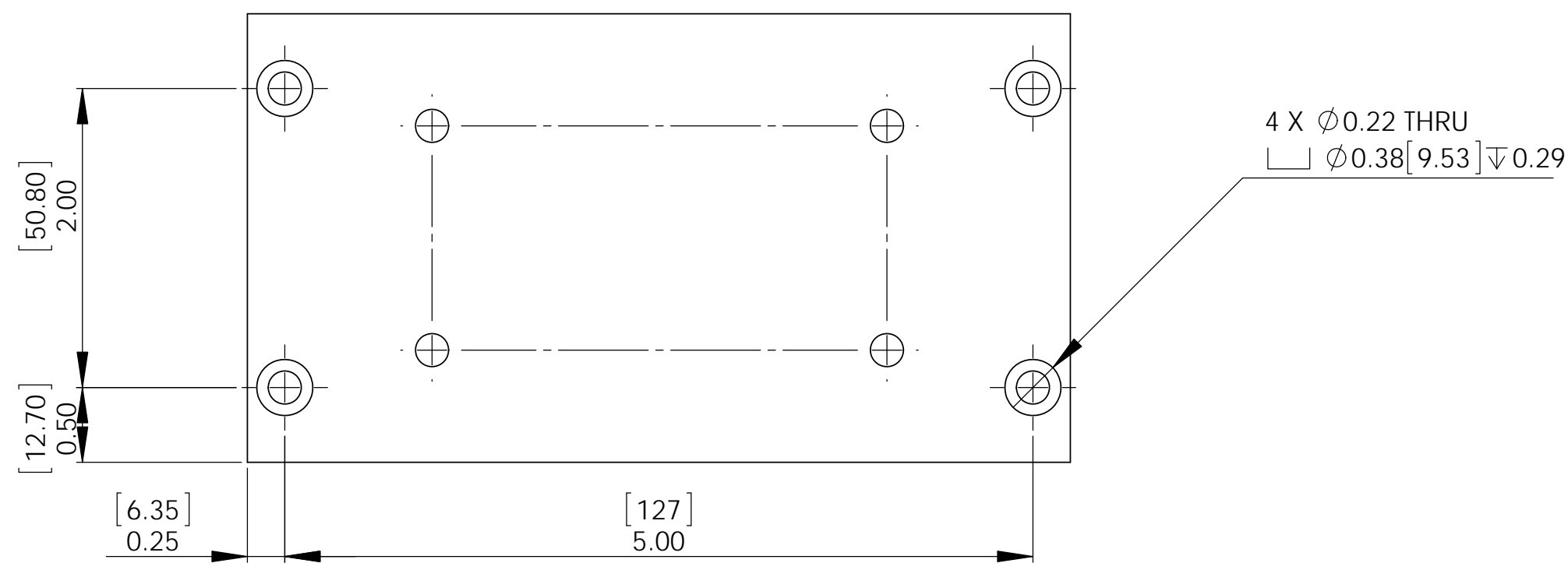


4 X  $\phi 0.22$  THRU  
 $\square \phi 0.38 [9.53] \nabla 0.29$



NOTE

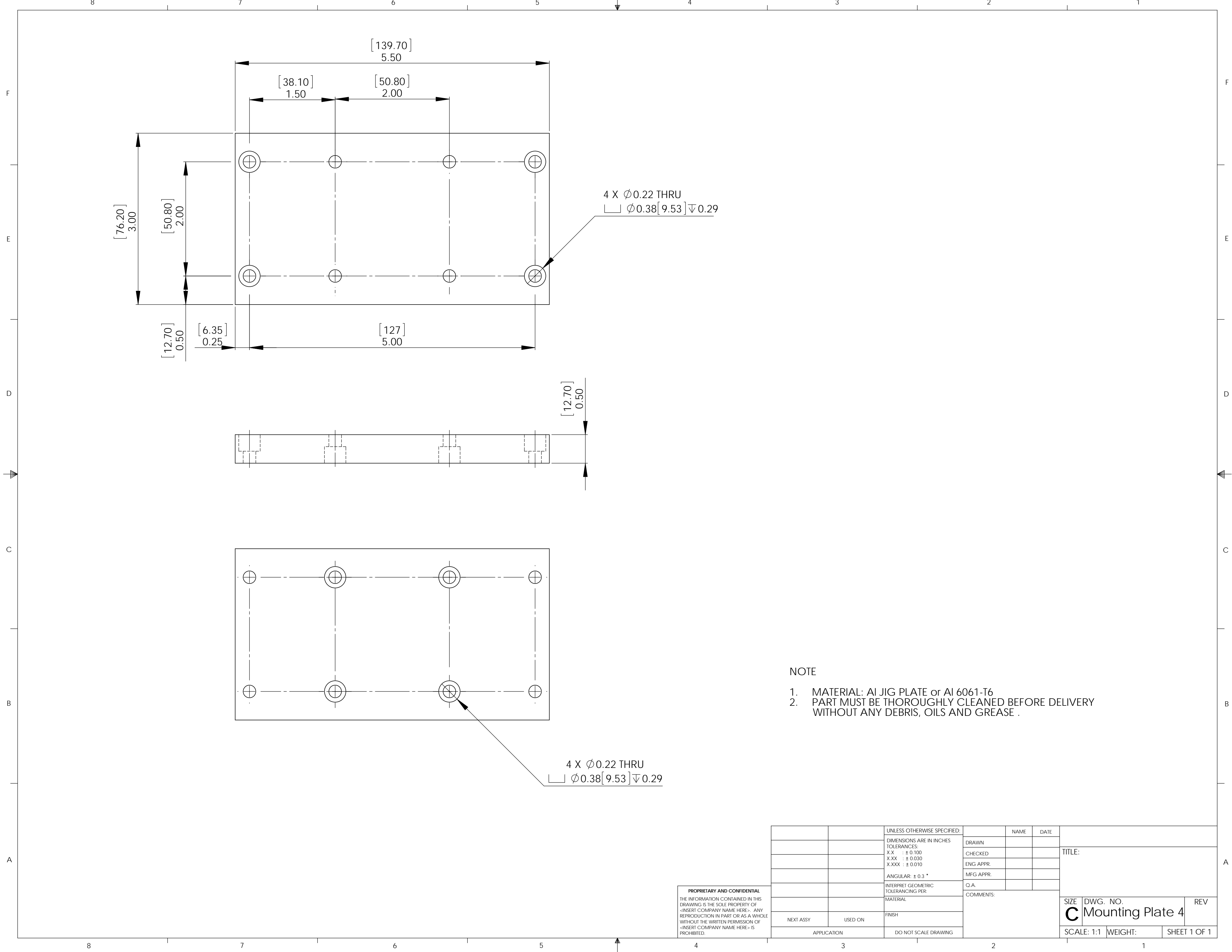
1. MATERIAL: AL JIG PLATE or AL 6061-T6
2. PART MUST BE THOROUGHLY CLEANED BEFORE DELIVERY WITHOUT ANY DEBRIS, OILS, AND GREASE .



4 X  $\phi 0.22$  THRU  
 $\square \phi 0.38 [9.53] \nabla 0.29$

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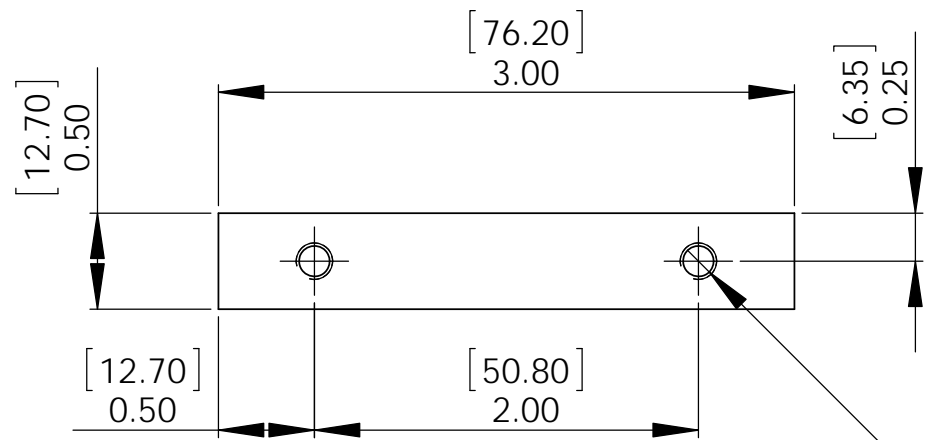
		UNLESS OTHERWISE SPECIFIED:	NAME	DATE		
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		X.X : ± 0.100	ENG APPR.			
		X.XX : ± 0.030	MFG APPR.			
		X.XXX : ± 0.010	Q.A.		SIZE   DWG. NO.   REV <b>C</b>   Mounting Plate 3   SCALE: 1:1   WEIGHT:   SHEET 1 OF 1	
		ANGULAR: ± 0.3°	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				
		MATERIAL:				
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				



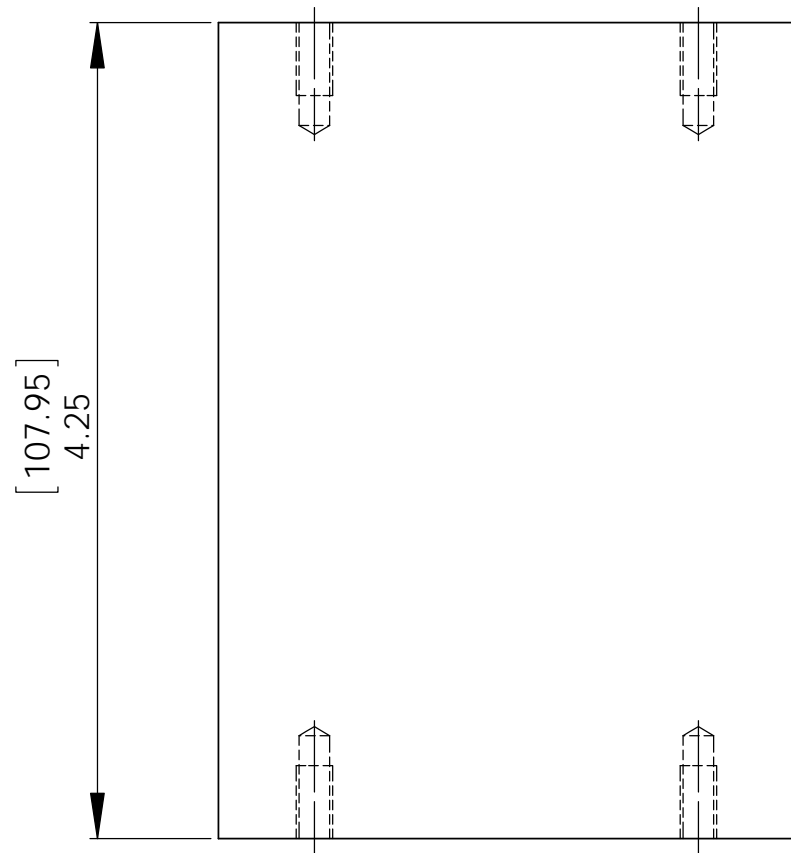
- NOTE**
1. MATERIAL: AI JIG PLATE or AI 6061-T6
  2. PART MUST BE THOROUGHLY CLEANED BEFORE DELIVERY WITHOUT ANY DEBRIS, OILS AND GREASE .

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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE		
		DIMENSIONS ARE IN INCHES	DRAWN			
		TOLERANCES:	CHECKED		TITLE:	
		X.X : ± 0.100	ENG APPR.			
		X.XX : ± 0.030	MFG APPR.			
		X.XXX : ± 0.010	Q.A.			
		ANGULAR: ± 0.3 °	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				
		MATERIAL:				
		FINISH:				
NEXT ASSY	USED ON	APPLICATION	DO NOT SCALE DRAWING		SIZE	DWG. NO.
					<b>C</b> Mounting Plate 4	REV
					SCALE: 1:1	WEIGHT:
					SHEET 1 OF 1	



4 X #10-32 UNF-2B  $\nabla$  0.54 [13.61] (TWO THREADS PER EACH SIDE)



NOTE

1. MATERIAL: AI JIG PLATE or AI 6061-T6
2. PART SHALL BE THOROUGHLY CLEANED WITHOUT ANY DEBRIS, OILS AND GREASE BEFORE SHIPPED.

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	
		DIMENSIONS ARE IN INCHES	DRAWN			TITLE:
		TOLERANCES:	CHECKED			
		X.X : ±0.100	ENG APPR.			
		X.XX : ±0.030	MFG APPR.			
		X.XXX : ±0.010	Q.A.			SIZE DWG. NO. REV <b>B</b> Mounting Plate 5 SCALE: 1:1 WEIGHT: SHEET 1 OF 1
		ANGULAR: ± 0.3°	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				